

SUBSTITUTE SHEET (RULE 26)

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Fig.3.	qsı	CA_subunit_dependent_info_fields_tength	CA_subunit_version	number_of_systems [n]	system_specification[0]			system_specification[n-1]		optional info blocks for future expansion		
	dsm	S								) 		
	Address offset	0016	0116	0316	0416	•			• •		•	

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rlg.4.	dsi lisb	specification_length		system_id	implementation_profile_id	number_of_CA system_ids(m)	CA_system_id_length[0]		CA_system_id[0]		CA_system_id_length[m-1]		CA_system_id[m-1]	
	Address offset	0016	0116	0216	0316	0416	0516	••		•	• •	-,	•	•

qs lsb Info\_block\_type=90 0016(general\_CA\_subunit\_status\_area\_info\_block) general\_CA\_subunit\_status\_info\_block source\_plug\_status\_area\_info\_block available\_bandwidth\_upper available\_bandwidth\_lower primary\_field\_length compound\_length desciptor\_length Fig.5(a). Fig.5(b) reserved **dsm** Address offset Address offset 00 0016 00 0216 00 0016 00 0216 00 0316 00 0716 00 0616 00 0116 00 01 16 00 0516 00 0416 00 0816

info\_block\_type=90 0116(source\_ptug\_status\_area\_info\_block) nested plug\_status\_info\_block structures number\_of\_source\_plugs (n) primary\_fields\_length compound\_length qsm Address offset 0016 0116 0216 0316 0416 0616 0716 0516

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Fig.5(d).	dsl lsb	compound_length		info_block_type=90 0216(plug_status_info_block)		primary_fields_length		source_plug	destination plug	status
	Address offset	00 0016	00 0116	00 0216	00 0316	00 0416	00 0216	00 0616	00 0716	00 0816

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	Comments		Used to instruct the CA subunit to begin descambling the service defined in the broadcast specific data	Used to allow a controller to query the CA subunit to determine whether the user has entitlement for a specified service	Used for validation purposes between a controller and the CA subunit		ds)   tsb	CC16)	p		broadcast_system_specific_data	
		Z	1	`	,			CA_ENABLE (CC16)	system_id		ystem_s	
;	clype	S	<b>,</b>	>	<b>,</b>	Fig 7(a)	_	CA_EN	S		dcast_s	
		၁		I	,	Fig	<u>,</u>				broa	
	Value		CC16	CD16	OF16							
			m	ENT	-		msb					
	Opcode		CA_ENABLE	CA_ENTITLEM	SECURITY			epoodo	operand[0]	operand[1]	• •	• •

lsb number\_of\_elementary\_PID\_definitions{m} elementary\_PID\_definition[m-1] elementary\_PID\_definition[1] service\_id action FF16 Fig.7(b). msb operand [x+2] operand [x+1] operand [1] operand [2] operand [3] operand [4] operand [5] operand [6] operand [x] operand [7] operand [8]

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	qsı			
			elementary_PID	
		e	elemen	
÷		stream_type		
Fig.7(c).				
			reserved	
	qsm			
		operand [x]	operand [x+1]	operand [x+2]
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Fig.8(a).	dsl dsm dsm	CA-ENABLE (CC16)	system_id		broadcast_system_specific_data		Fig.8(b).	msb   tsb	aclion	status	service_id		number_of_elementary_PID_definitions[m]		elementary_PID_definition[1]		••		etementary_PID_definition[m-1]	
		apoodo	operand [0]	operand [1]	••	•			operand [1]	operand [2]	operand [3]	operand [4]	operand [5]	operand [6]	operand [7]	operand [8]	••	operand [x]	operand [x+1]	operand [x+2]

Fig.9.	ds1 dsm dsm	[1] action	[2] FF16	[3] service_id	[4]	[5] number_of_elementary_PID_definitions[m]		7] etementary_PID_definition[1]	[8]			+1) elementary_PID_definition[m-1]	+2]
		operand [1]	operand [2]	operand [3]	operand [4]	operand [5]	operand [6]	operand [7]	operand [8]	• •	operand [x]	operand [x+1]	operand [x+2]

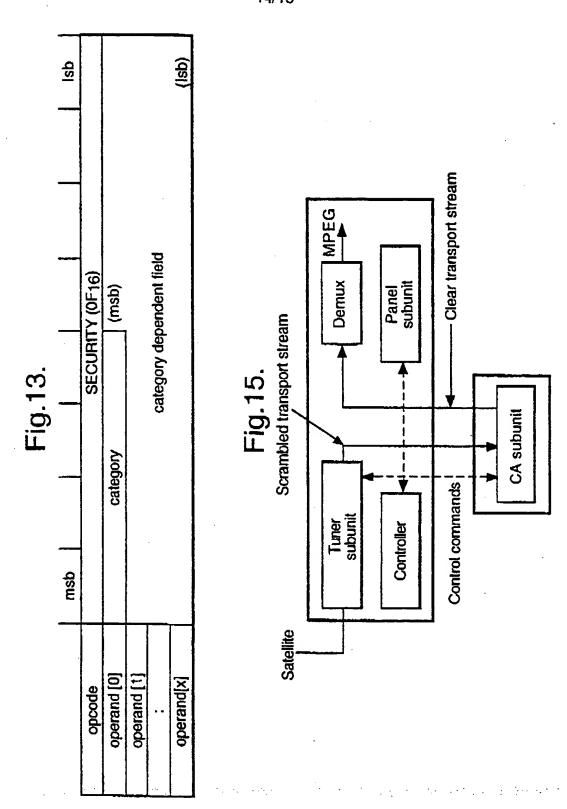
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11/15 lsb number\_of\_elementary\_PID\_definitions[m] elementary\_PID\_definition[m-1] elementary\_PtD\_definition[1] action status service\_id msb operand [x+2] operand [x+1] operand [1] operand [3] operand [4] operand [2] operand [5] operand [6] operand [7] operand [8] operand [x]

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Fig.11(a).	dsi	CA_ENTITLEMENT (CD16)	system_id		broadcast_system_specific_data		Fig.11(b).	2   qsı     qsm	network_id		original_network_id		transport_stream_id		service_id		event_id		FF16
		epoodo	operand [0]	operand [1]	••	••			operand [1]	operand [2]	operand [3]	operand [4]	operand [5]	operand [6]	operand [7]	operand [8]	operand [9]	operand [10]	operand [11]

Fig.12(a).	dsi   dsm	CA_ENTITLEMENT (CD16)	system_id		broadcast_system_specific_data		Fig.12(b).	dsi dsi	network_id		original_network_id		transport_stream_id		service_id		event_id		entitlement_status	
		epoodo	operand [0]	operand [1]	• •	••			operand [1]	operand [2]	operand [3]	operand [4]	operand [5]	operand [6]	operand [7]	operand [8]	operand [9]	operand [10]	operand [11]	



If the dialog is successful the CA subunit returns the descrambled CA subunit returns a response, OK or refused for technical or CA subunit enters into diatog purchase dialog Return CA system id with the user CA Subunit stream commands to discover a change of state that may occur in the CA subunit as a watch. Controller sets up isochronous channels Controller sends CA enable command User selects a scrambled service to Controller can use notify or status result of the dialog with the user with details of service to be Start panel descambled Controller session